

Title (en)  
HUMIDIFIER WITH MAXIMUM DECONTAMINATION

Title (de)  
BEFEUCHTER MIT MAXIMALER DEKONTAMINIERUNG

Title (fr)  
DISPOSITIF DE BRUMISATION À DÉCONTAMINATION MAXIMALE

Publication  
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Application  
**EP 06726007 A 20060302**

Priority

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Abstract (en)  
[origin: WO2006092506A1] The invention concerns a humidifier comprising a fogging ramp (14), a water source (10) for feeding the humidifying manifold, a pump (12) adapted to supply water under high pressure to the humidifying manifold, at least one particulate filter (50, 52) retaining the particles having a size greater than about 1 $\mu$  and receiving water from the source, an ultrafiltration filter (18) receiving water from the particulate filter to retain micro-organisms having a size greater than 0.2 $\mu$ m, and a UV-C manifold chamber (20) including one or more UV-C lamps arranged in quartz sheaths for receiving water from the ultrafiltration filter and adapted to destroy micro-organisms whereof the size is greater than 0.2  $\mu$ m. The device further comprises a metering pump (53) arranged next to the UV-C manifold chamber and regularly supplying biocidal or virucidal products to prevent a biofilm from being formed in the pipes between the pump and the humidifying manifold.

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